

Attorney Docket Serial Number 90023-Y 10/010,597

10/010,597

Applicant

LEIF et al.

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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
20	AA	5,373,093	12/13/94	VALLARINO et al.	534	15	03/15/91
cc	AB	5,696,240	12/09/97	VALLARINO et al.	514	15	12/08/94
sc	AC	5,316,909	05/31/94	XU	435	6	03/13/92
C 5-	AD	6,107,024	08/22/00	SCHAAP	435	6	03/29/91
1	AE						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
	AF						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
HECK APR& 4	AG	Adeyiga, A.M. et al., "Advances in the Development of Lanthanide Macrocyclic Complexes as Luminescent Bio-Markers", Optical Diagnosis of Living Cells and Biolfuids, SPIE Proceedings Series, Vol. 2678, pp. 212-220 (1996). Melentieva, E.V. et al., "The Analytical Use of the					
	АН	/ Europium	Fluorescence of the Four-Ligand B-Diketone Complexes of Europium and Samarium with Organic Bases", Zh. Anal. Khim., Vol. XXII, pp. 187-192 (1967).				
102 1002 100/2500	AI	Yang Jing-He et al., "Enhanced Luminescence of the Europium/Terbium/Thenoyltrifluoroacetone/1,10-Phenanthroline/Surfactant System, and its Analytical Application", Anal. Chim. Acta, Vol. 198, pp. 287-292 (1987).					
TECH C	AJ	Jing-He Yang et al., "Application of the Co-Luminescence Effect of Rare Earths: Simultaneous Determination of Trace Amounts of Samarium and Europium in Solution", Analyst, Vol. 114, pp. 1417-1419 (Nov. 1989).					
PR 1 6 ENTER 1	C _K	Jinghe Yang et al., "Fluorescence Enhancement of the Eu- Tb-Benzoylacetone-Phenanthroline System", <u>Anal. Chim.</u> Acta, Vol. 238, pp. 307-314 (1990).					
2002 3 800/29	Yong-Yuan Xu, "Co-fluorescence of Europium and Samarium in Time-Resolved Fluorometric Immunoassays", Analyst, Vol. 116, pp. 1155-1158 (Nov. 1991).						
Examiner				Date Consider	1 .)		

Examiner

Date Considered 10/03

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Applicant

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Filing Date

Group Art Unit

December 6 ,2001 /654

OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Yun-Xiang Ci, "Fluorescence Enhancement of the Europium(III)-Thenoyltrifluoroacetone-Trioctylphosphine Oxide Ternary Complex by Gadolinium(III) and its Application to the Determination of Europium(III)", Analyst, Vol. 113, pp. 1453-1457 (Sept. 1988). CC BA Yun-Xiang Ci et al., "Enhanced Fluorometric Determination of Europium(III) with Thenoyltrifluoroacetone and 4,7-diphenyl-1,10-Phenanthroline by Gadolinium(III)", Analytical Lett., Vol. 21(8), pp. 1499-1513 (1988). CL BB Yun-Xiang Ci et al., "Fluorometric Determination of Samarium and Gadolinium by Enhancement of Fluorescence of Samarium-Thenoyltrifluoroacetone-1,10-Phenanthroline LC BC Ternary Complex by Gadolinium", <u>Anal Chem.</u>, Vol. 61, pp. 1063-1069 (1989). Sabbatini, N. et al., "Radiative and Nonradiative Transitions in the Eu(III) Hexaaza Macrocyclic Complex [Eu(C22H26N6)(CH3COO)](CH3COO)Cl2H2O", J. Phys. Chem., Vol. 91, pp. 4681-4685 (1987). CC BD Hemmila, I. et al., "Chap. 5, Time-Resolved Fluorometry, in Bioanalytical applications of labelling technologies, A CC review of trends and new opportunities in biospecific assay, based on the product offering of Wallac, an EG&G company", Edited by I. Hemmila et al. ISBN 951-9489-32-0 BE $(1994)^{1}$ ž Lempicki, A. et al., "Europium Chelates as Laser Materials", <u>Proceedings of the Fourth Conference on Rare</u> <u>Earth Research, April 22-25, 1964</u>, LeRoy Eyring (ed.), Gordon and Breach, Science Publishers, pp. 351-361. ΒF Quagliano, J.V. et al., <u>Coordination Chemistry</u>, <u>Lexington</u>, Mass, D C Heath and Company, 1969, page 3. BG Melson, G.A., Coordination Chemistry of Macrocyclic CC Compounds, New York, Plenum Press, 1979, pp. 2-5. BH Lindoy, L.F., The chemistry of macrocyclic ligand complexes, Cambridge (UK), Cambridge University Press, 1989, pages 1-4. Leif, R.C. et al., "Rare Earth Chelates as Fluorescent Markers in Cell Separation and Analysis", <u>ACS Symposium Series 464m Cell Separation Science and Technology</u>, D S Kompala and P W Todd (eds.), American Chemical Society, Washington DC, 1991, pages 41-58. Date Considered 10/03

Initial if reference considered, whether or not citation is in conformance with MPEP § 609.

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	'Lantha	anide (III) compt peripher 249, pp.
	Vallarino, macroc	Alloys and Compound
160	CB functionalities, ————————————————————————————————————	anide (III) complexes of heral yclic ligands with peripheral yclic ligands with peripheral yclic ligand Compounds, Vol. 249, pp. Alloys and Compounds, Vol. 249, pp. "Constitutional isomers and the dimethylogen-donor ligand (La(C ₂₄ H ₃₀ N ₆) (NCS) ₃ cogen-donor ligand (La(C ₂₄ H ₃₀ N ₆) (NCS) (
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